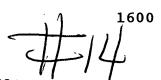RECEIVED

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1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/757,333D

DATE: 07/24/2002
TIME: 11:01:44

Input Set : **A:\EP.txt**
Output Set: **N:\CRF3\07242002\I757333D.raw**

```
 1 <110> APPLICANT: Achilefu, Samuel I.
 2        Rajagopalan, Raghavan
 3        Dorshow, Richard B.
 4        Bugaj, Joseph E.
 6        Mallinckrodt Inc.
 8 <120> TITLE OF INVENTION: Versatile Hydrophilic Dyes
10 <130> FILE REFERENCE: MRD-67
12 <140> CURRENT APPLICATION NUMBER: US 09/757,333D
13 <141> CURRENT FILING DATE: 2001-01-09
15 <150> PRIOR APPLICATION NUMBER: US 09/484,321
16 <151> PRIOR FILING DATE: 2000-01-18
18 <160> NUMBER OF SEQ ID NOS: 8
20 <170> SOFTWARE: Patent-In Version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 8
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <221> NAME/KEY: MOD RES
29 <222> LOCATION: (1)...(8)
30 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence
31        is completely synthesized.
32 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an
33        intramolecular disulfide bond between two Cys
34        amino acids. Artificial sequence is completely synthesized.
35 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence
36        is completely synthesized.
38 <400> 1
39   Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
40   1               5
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 8
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <221> NAME/KEY: MOD RES
50 <222> LOCATION: (1)...(8)
51 <223> OTHER INFORMATION: Xaa at location 1 represents D-Phe. Artificial sequence
52        is completely synthesized.
53 <223> OTHER INFORMATION: Xaa at locations 2 and 7 represents Cys with an
54        intramolecular disulfide bond between two Cys
55        amino acids. Artificial sequence is completely synthesized.
56 <223> OTHER INFORMATION: Xaa at location 4 represents D-Trp. Artificial sequence
```

W--> 28
W--> 38
W--> 39
W--> 49

RAW SEQUENCE LISTING   DATE: 07/24/2002
PATENT APPLICATION: US/09/757,333D   TIME: 11:01:44

Input Set : A:\EP.txt
Output Set: N:\CRF3\07242002\I757333D.raw

```
      57        is completely synthesized.
      58 <223> OTHER INFORMATION: Xaa at location 8 represents Thr-OH. Artificial sequence
      59        is completely synthesized.
W--> 61 <400> 2
W--> 62   Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
      63    1               5
      64 <210> SEQ ID NO: 3
      65 <211> LENGTH: 11
      66 <212> TYPE: PRT
      67 <213> ORGANISM: Unknown
      69 <220> FEATURE:
W--> 70 <221> NAME/KEY: MOD RES
      71 <222> LOCATION: (1)...(11)
      72 <223> OTHER INFORMATION: Bombesin analog
      74 <400> SEQUENCE: 3
      75   Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
      76    1               5                   10
      79 <210> SEQ ID NO: 4
      80 <211> LENGTH: 11
      81 <212> TYPE: PRT
      82 <213> ORGANISM: Unknown
      84 <220> FEATURE:
W--> 85 <221> NAME/KEY: MOD RES
      86 <222> LOCATION: (1)...(11)
      87 <223> OTHER INFORMATION: Bombesin analog
      89 <400> SEQUENCE: 4
      90   Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
      91    1               5                   10
      94 <210> SEQ ID NO: 5
      95 <211> LENGTH: 8
      96 <212> TYPE: PRT
      97 <213> ORGANISM: Unknown
      99 <220> FEATURE:
W--> 100 <221> NAME/KEY: MOD RES
     101 <222> LOCATION: (1)...(8)
     102 <223> OTHER INFORMATION: Cholecystokinin octapeptide analogs
     104 <400> SEQUENCE: 5
     105   Asp Tyr Met Gly Trp Met Asp Phe
     106    1               5
     109 <210> SEQ ID NO: 6
     110 <211> LENGTH: 8
     111 <212> TYPE: PRT
     112 <213> ORGANISM: Artificial Sequence
     114 <220> FEATURE:
W--> 115 <221> NAME/KEY: MOD RES
     116 <222> LOCATION: (1)...(6)
     117 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine. Artificial
     118        sequence is completely synthesized.
     120 <400> SEQUENCE: 6
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RAW SEQUENCE LISTING   DATE: 07/24/2002
PATENT APPLICATION: US/09/757,333D   TIME: 11:01:44

Input Set : A:\EP.txt
Output Set: N:\CRF3\07242002\I757333D.raw

121   Asp Tyr Xaa Gly Trp Xaa Asp Phe
122   1   5
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 8
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
W--> 131 <221> NAME/KEY: MOD RES
132 <222> LOCATION: (1)...(8)
133 <223> OTHER INFORMATION: Xaa at location 1 represents D-Asp. Artificial sequence
134   is completely synthesized.
135 <223> OTHER INFORMATION: Xaa at locations 3 and 6 represents Norleucine.
136   Artificial sequence is completely synthesized.
138 <400> 7
139   Xaa Tyr Xaa Gly Trp Xaa Asp Phe
140   1   5
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 8
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
W--> 149 <221> NAME/KEY: MOD RES
150 <222> LOCATION: (1)...(8)
151 <223> OTHER INFORMATION: Xaa at location 1 represents D-Lys. Artificial sequence
152   is completely synthesized.
154 <400> SEQUENCE: 8
155   Xaa Pro Arg Arg Pro Tyr Ile Leu
156   1   5

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/24/2002
PATENT APPLICATION: US/09/757,333D   TIME: 11:01:46

Input Set : A:\EP.txt
Output Set: N:\CRF3\07242002\I757333D.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,4,7
Seq#:2; Xaa Pos. 1,2,4,7,8
Seq#:6; Xaa Pos. 3,6
Seq#:7; Xaa Pos. 1,3,6
Seq#:8; Xaa Pos. 1

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 117